



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/037,560	01/04/2002	Eyal Dotan	8221-84872	7101

41744 7590 01/13/2005

TRANSPACIFIC LAW GROUP
617 NORTH DELAWARE STREET
SAN MATEO, CA 94401

EXAMINER

HOFFMAN, BRANDON S

ART UNIT	PAPER NUMBER
----------	--------------

2136

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/037,560	Applicant(s) DOTAN, EYAL	
	Examiner Brandon Hoffman	Art Unit 2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code that are not included in this rejection can be found in a prior Office action.

Claim Rejections - 35 USC § 102

2. Claims 1-16, 18, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Munroe et al. (U.S. Patent No. 6,123,456).

Regarding claims 1, 13, and 22, Munroe et al. teaches a process/computer-readable medium for protecting a computer from hostile code, the process comprising:

- Identifying objects and processes within the computer (col. 6, lines 31-34);
- Defining at least two trust groups, each of the defined trust groups being characterized by a trust group value (col. 5, lines 33-49 and fig. 3);
- Assigning objects and processes in the computer to one of said trust groups, irrespective of the rights of a user of said computer (col. 5, line 50 through col. 6, line 21);
- Upon operation of a process over an object, comparing a trust group value of the process with a trust group value of the object (fig. 5);
- Allowing the operation if the trust group value of the process is not smaller than the trust group value of the object (col. 8, lines 4-24); and

Art Unit: 2136

- Disallowing the operation if the trust group value of the process is smaller than the trust group value of the object (col. 8, lines 4-24).

Regarding claim 2, Munroe et al. teaches wherein a process is assigned upon creation to the trust group assigned to the passive code from which the process is created (col. 6, lines 43-64).

Regarding claim 3, Munroe et al. teaches further comprising changing the trust group of the process if the trust group value of the process is greater than the trust group of the object (col. 6, lines 34-36).

Regarding claim 4, Munroe et al. teaches further comprising changing the trust group of said object or of said second process after said operation (col. 6, lines 34-36).

Regarding claim 5, Munroe et al. teaches further comprising, upon creation of an object by a process, assigning said created object to the trust group of said process (col. 6, lines 43-64).

Regarding claim 6, Munroe et al. teaches further comprising, when said operation is allowed, assigning said process to the trust group of said object or of said second process (col. 6, lines 43-64).

Art Unit: 2136

Regarding claim 7, Munroe et al. teaches wherein said trust groups are hierarchically ordered (col. 5, lines 33-35), and wherein said allowing further comprises:

- Allowing said operation when the trust group of said process is higher or equal in said hierarchy than the trust group of said object or of said second process (col. 8, lines 4-24); and
- Denying said operation when the trust group of said process is lower in said hierarchy than the trust group of said object or of said second process (col. 8, lines 4-24).

Regarding claim 8, Munroe et al. teaches further comprising assigning said process to the trust group of said object of said second process after the operation is allowed (col. 6, lines 43-64).

Regarding claim 9, Munroe et al. teaches further comprising:

- Defining at least two types of objects (fig. 3);
- Assigning objects to one of said types (col. 6, lines 22-28); and
- Wherein the step of allowing operation over an object is further carried out according to the type of said object (col. 6, lines 48-55).

Regarding claim 10, Munroe et al. teaches further comprising:

- Defining at least two types of processes (fig. 3);
- Assigning processes to one of said types (col. 6, lines 22-28); and

Art Unit: 2136

- Wherein the step of allowing operation over a process is further carried out according to the type of said process (col. 6, lines 48-55).

Regarding claim 11, Munroe et al. teaches further comprising:

- Defining at least two types of operation (fig. 3); and
- Wherein the step of allowing operation of a process over an object or over a second process is further carried out according to the type of said operation (col. 6, lines 48-55).

Regarding claim 12, Munroe et al. teaches further comprising:

- Defining at least two types of storage methods (fig. 3 and col. 1, lines 13-39);
- Assigning a trust group to a type of storage methods (col. 6, lines 22-28); and
- Carrying out a storage operation for a process of a trust group according to the storage method assigned to the trust group of said process (col. 6, lines 48-55).

Regarding claim 14, Munroe et al. teaches further comprising instructions causing the computer to:

- Define a table of types of at least two types of objects, the objects in the computer being assigned one type (fig. 3 and col. 6, lines 48-55); and

Art Unit: 2136

- Wherein the computer accesses said table for allowing said operation (col. 6, lines 29-34).

Regarding claims 15, 16, and 18, Munroe et al. teaches wherein said table of trust groups/types/rules is stored in a non-volatile memory (fig. 1, ref. num 122-123).

Claim Rejections - 35 USC § 103

3. Claim 17 and 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Munroe et al. (USPN '614).

Regarding claim 17, official notice is taken that the computer further comprises instructions causing the computer to define a table of rules, and wherein said computer accesses said table of rules. A policy is a set of rules for users. Policies are well known in the art, especially on a multitasking system such as a mainframe. It would have been obvious to implement policies into the system of Munroe et al. because the policy lists rules for users on how to access the system.

Regarding claims 19-21, official notice is taken that the computer is operatively coupled to a network, the network including a server, the table of trust groups/types/rules is stored in said server because Munroe et al. mentions mainframe computers as a source target for his invention. Mainframe computers

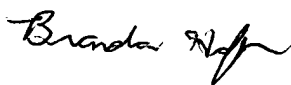
Art Unit: 2136

are connected to clients, this making the mainframe a server. It would have been obvious to store tables on the server because the server remains on, while individual terminals may turn off and on periodically. The stored tables would be lost if the tables were stored on a terminal, instead of the server.

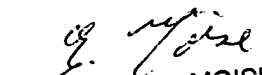
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon Hoffman whose telephone number is 571-272-3863. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



BH


EMMANUEL L. MOISE
PRIMARY EXAMINER